

## INTERNATIONAL SEARCH REPORT

International Application No  
PC1/GB2004/004289

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E21B17/042 E21B17/06 E21B43/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 086 843 A (JONES FRANK L ET AL) 11 February 1992 (1992-02-11) column 2, lines 52-58 column 3, lines 42-61 column 4, lines 45-54	1-26
A	WO 00/57020 A (WELL ENGINEERING PARTNERS B V ; MOURIK ARNO VAN (NL)) 28 September 2000 (2000-09-28) page 3, line 31 - page 4, line 5 page 9, lines 13-30	1-26
A	US 6 467 547 B2 (MAGUIRE PATRICK G ET AL) 22 October 2002 (2002-10-22) column 1, lines 49-64 column 3, lines 38-49	1-26
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

20 January 2005

Date of mailing of the international search report

28/01/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 392 878 C (JOSEF SIEP) 27 March 1924 (1924-03-27) the whole document	1-26
A	US 2003/122373 A1 (MURRAY MARK J ET AL) 3 July 2003 (2003-07-03) paragraphs '0036! - '0038! paragraph '0042!	1-26

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/004289

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5086843	A	11-02-1992	AU 8639591 A	28-04-1992
			CN 1061069 A	13-05-1992
			IE 913324 A1	08-04-1992
			MX 9101318 A1	04-05-1992
			WO 9206269 A1	16-04-1992
			US 5170847 A	15-12-1992
			US 5174375 A	29-12-1992
WO 0057020	A	28-09-2000	WO 0057020 A1	28-09-2000
			AU 2964299 A	09-10-2000
US 6467547	B2	13-06-2002	US 2002070032 A1	13-06-2002
			AU 1841502 A	24-06-2002
			CA 2427453 A1	20-06-2002
			EP 1350005 A1	08-10-2003
			WO 0248502 A1	20-06-2002
			NO 20032022 A	06-08-2003
DE 392878	C	27-03-1924	NONE	
US 2003122373	A1	03-07-2003	CA 2456650 A1	01-05-2003
			WO 03036017 A1	01-05-2003
			GB 2392965 A	17-03-2004